

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

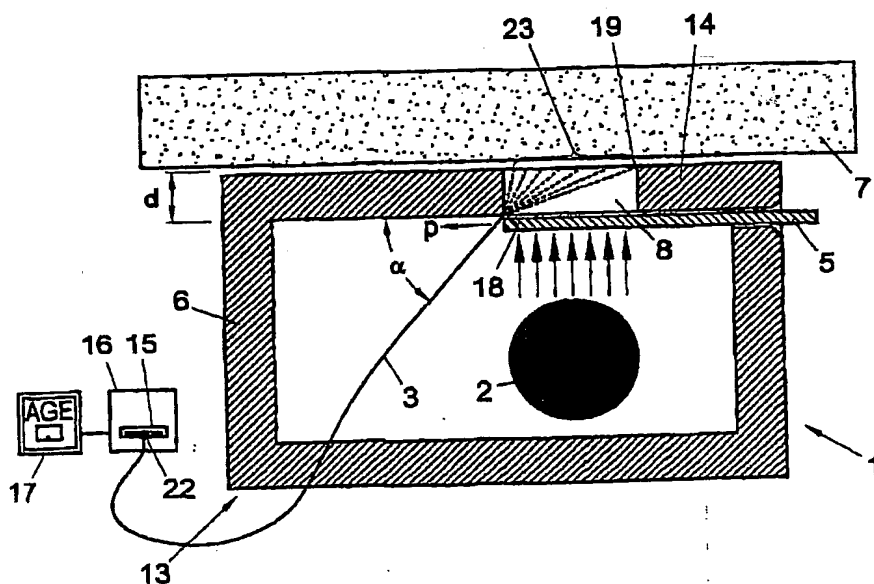
(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
5 April 2001 (05.04.2001)

PCT

(10) International Publication Number
WO 01/22869 A1

- (51) International Patent Classification⁷: A61B 5/00 (74) Agent: OTTEVANGERS, S., U.; Vereenigde, Nieuwe Parklaan 97, NL-2587 BN The Hague (NL).
- (21) International Application Number: PCT/NL99/00607
- (22) International Filing Date:
30 September 1999 (30.09.1999)
- (25) Filing Language: Dutch
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): JIPJAP B.V. [NL/NL]; Coba Ritsemastraat 9, NL-7312 VT Apeldoorn (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SMIT, Andries, Jan [NL/NL]; Lekstraat 14, NL-9725 KM Groningen (NL). GRAAFF, Reindert [NL/NL]; Fultsemaheerd 16, NL-9736 CN Groningen (NL). OOMEN, Petrus, Hendricus, Nicolaas [NL/NL]; Bakmolenstraat 154, NL-9723 DL Groningen (NL). JAGER, Jan [NL/NL]; Burgemeester Venemastraat 26, NL-9671 AC Winschoten (NL).
- (81) Designated States (national): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:
— With international search report.
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR DETERMINING AUTOFLUORESCENCE OF SKIN TISSUE



(57) Abstract: For determining autofluorescence of a clinically normal skin tissue (7) of a patient, the tissue (7) is irradiated with electromagnetic radiation. An amount of fluorescent radiation emitted by the tissue (7) in response to the irradiation is measured and, in response thereto, a signal is generated which represents a determined autofluorescence in agreement with the measured amount of electromagnetic radiation. Because the tissue (7) is skin tissue (7) in vivo and irradiation is performed noninvasively, a method which is very simple to apply for determining autofluorescence is obtained. An apparatus especially adapted for use in this method is also described.

WO 01/22869 A1